


Preparation of BS biofilms

JL Jinyao Liu

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 An abbreviated version of this protocol was published in Science Advances in Jun 2020

Bioinspired oral delivery of gut microbiota by self-coating with biofilms

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Detailed protocol

Preparation of BS biofilms

The extracted BS was grown on solid LB plates. Seed colonies were first cultured in 4 ml of LB medium overnight at 37°C to obtain BS without biofilms. Then, 100µl of seed culture medium was resuspended and grown in 4 ml of MSgg medium overnight at 37°C to generate FCBS. Cell pellets collected from the FCBS suspension were resuspended in 1 ml of PBS, and 10µl of the resulted solution was spread on solid MSgg plates. Robust BS biofilms were produced after 2 days of culture at 30°C. Individually coated bacteria BCBS were prepared by homogenizing the films with PBS.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Liu, J. (2021). Preparation of BS biofilms. Bio-protocol Preprint. bio-protocol.org/prep901.
2. Wang, X., Cao, Z., Zhang, M., Meng, L., Ming, Z. and Liu, J.(2020). Bioinspired oral delivery of gut microbiota by self-coating with biofilms . Science Advances 6(26). DOI: [10.1126/sciadv.abb1952](https://doi.org/10.1126/sciadv.abb1952)

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